

INFORMATION DISCLOSURE STATEMENT

Applicant : Chen, et al.
App. No : Unknown
Filed : Herewith
For : METALLOCENE-BASED CHIRAL
PHOSPHINE OR ARSINE LIGANDS
Examiner : Unassigned
Art Unit : Unassigned

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

July 13, 2006

(Date)

Rose M. Thiessen, Reg. No. 40,202

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

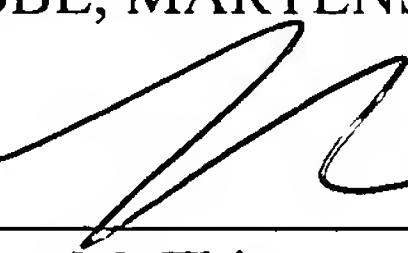
Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 27 references to be considered by the Examiner. Also enclosed are 18 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed within three months of the filing date, with an RCE or before receipt of a first office action after an RCE and no fee is required.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

By: 

Rose M. Thiessen
Registration No. 40,202
Attorney of Record
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(619) 235-8550

Dated: 7/13/06

13 JUL 2006

PTO/SB/08 Equivalent

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Multiple sheets used when necessary) | | Application No. | Unassigned 401586287 |
| | | Filing Date | Herewith |
| | | First Named Inventor | Chen, et al. |
| | | Art Unit | Unassigned |
| SHEET 1 OF 2 | | Examiner | Unassigned |
| | | Attorney Docket No. | WPTHOM9.001APC |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|---|--------------------------------|-------------------------------|--|
| Examiner Initials | Cite No. | Document Number Number - Kind Code (if known) Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 1 | US 2002-0065417 A1 | 05-30-2002 | Boaz, et al. | |
| | 2 | US 2003-0212284 A1 | 11-13-2003 | Weissensteiner, et al. | |
| | 3 | US 2005-0240007-A1 | 10-27-2005 | Knochel, et al. | |
| | 4 | US 6,284,925 | 09-04-2001 | Knochel, et al. | |
| | 5 | US 5,856,540 | 01-05-1999 | Jendralla, Joachim-Heiner | |
| | 6 | US 6,258,979 B1 | 07-10-2001 | Kagan, et al. | |
| | 7 | US 5,451,684 | 09-19-1995 | McGarrity, et al. | |
| | 8 | US 5,583,241 | 12-10-1996 | Spindler, et al. | |
| | 9 | US 5,466,844 | 11-14-1995 | Spindler, et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|----------|--|--------------------------------|----------------------------------|--|
| Examiner Initials | Cite No. | Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1 | Publication Date MM-DD-YYYY | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 10 | EP 0 803 510 A | 10-29-1997 | Hoechst Aktiengesellschaft | |
| | 11 | WO 98/15565 A | 04-16-1998 | Novartis AG | |
| | 12 | WO 00/37478 A | 06-29-2000 | Degussa-Huels Aktiengesellschaft | |
| | 13 | DE 10219490 | 11-13-2003 | Degussa AG | (see equivalent US 2005-0240007-A1) |
| | 14 | WO 00/14096 A | 03-16-2000 | Studiengesellschaft kohle mbH | |

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|----------|---|--|--|----------------|
| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ¹ |
| | 15 | International Search Report in PCT/GB2005/000112 mailed May 10, 2005. | | | |
| | 16 | International Written Opinion in PCT/GB2005/000112 mailed May 10, 2005. | | | |

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|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application No. | Unassigned 10/586287 |
| | | Filing Date | Herewith |
| | | First Named Inventor | Chen, et al. |
| | | Art Unit | Unassigned |
| (Multiple sheets used when necessary) | | Examiner | Unassigned |
| SHEET 2 OF 2 | | Attorney Docket No. | WPTHOM9.001APC |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
|-------------------|----------|---|----------------|
| | 17 | Patent Act of 1977, Search Report under Section 17(5), for GB Patent Application No. GB0500704.2, dated June 10, 2005. | |
| | 18 | Patent Act of 1977, Written Opinion, for GB Patent Application No. GB0500704.2, dated June 10, 2005. | |
| | 19 | Patent Act of 1977, letter from examiner regarding additional references. | |
| | 20 | TROITSKAYA, et al. "Optically active (2-aminomethylferrocenyl)phosphines with the phosphorus chiral center" Russian Chemical Bulletin 1999, 48(9), 1738-1743. | |
| | 21 | KIM, et al. "Functionalized organometallic ligand. 1. Synthesis of some ferrocene derivatives of cyclohexyl- and cyclopentadienylphosphines" Bulletin of the Korean Chemical Society 1992, 13(6), 588-92. | |
| | 22 | BUTLER, et al. "Synthesis of derivatives of [alpha(dimethylamino)ethyl]ferrocene via lithiation reactions and the structure of 2-[alpha(dimethylamino)ethyl]-1,1'-tris(trimethylsilyl)ferrocene" Organometallics 1986, 5(7), 1320-8. | |
| | 23 | GAMBS, et al. "Structural aspects of palladium and platinum complexes with chiral diphosphinoferrocenes relevant to the regio-and stereoselective copolymerization of CO with propene" Helvetica Chimica Acta 2001, 84(10), 3105-3126. | |
| | 24 | CAPLUS Accession No. 132:805612 (Abstract only) TROITSKAYA, et al. "Optically active (2-aminomethylferrocenyl)phosphines with the phosphorus chiral center" Russian Chemical Bulletin 1999, 48(9), 1738-1743. | |
| | 25 | CAPLUS Accession No. 118:191947 (Abstract only) KIM, et al. "Functionalized organometallic ligand. 1. Synthesis of some ferrocene derivatives of cyclohexyl- and cyclopentadienylphosphines" Bulletin of the Korean Chemical Society 1992, 13(6), 588-92. | |
| | 26 | CAPLUS Accession No. 105:443034 (Abstract only) BUTLER, et al. "Synthesis of derivatives of [alpha(dimethylamino)ethyl]ferrocene via lithiation reactions and the structure of 2-[alpha(dimethylamino)ethyl]-1,1'-tris(trimethylsilyl)ferrocene" Organometallics 1986, 5(7), 1320-8. | |
| | 27 | CAPLUS Accession No. 2001:862902 (Abstract only) GAMBS, et al. "Structural aspects of palladium and platinum complexes with chiral diphosphinoferrocenes relevant to the regio-and stereoselective copolymerization of CO with propene" Helvetica Chimica Acta 2001, 84(10), 3105-3126. | |

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|---|-----------------|
| Examiner Signature | Date Considered |
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